

Standard Equipment /Optional Equipment

Standard Equipment

Narrow chassis width 820mm
 Key switch or PIN Code access
 Multifunction coloured display with Linde Load Management as well as hourmeter, maintenance indication, battery discharge indicator and internal fault code indication
 Power assisted steering
 Automatic speed reduction when cornering
 ECO-Mode with up to 12% energy savings
 3 kW AC motor (maintenance free)
 Drive wheel position mentioned in display
 Lateral battery change 3PzS available with ergonomic battery un/locking with lever & rollers (l2=1037mm)
 CAN bus technology

Overhead guard
 Soft landing on forks
 Floor compensator
Linde Load Management (Standard):
 Automatic residual capacity calculation
 Operator warning when approaching the limits
 Traction speed is varied automatically in proportion to the steering angle for maximum safety
 Drive wheel Polyurethane
 Single load wheel Polyurethane
 Chassis for load arm width 560 & 680mm
 Protection -10°C

Optional Equipment

Initial lift (h5=125mm)
 Ultra fast lifting (up to +40%)
Linde Load Management Advanced:
 Live calculation of weight and height
 Informs on potential maximum height & weight
 Management of the remaining residual capacity
 Drive wheels: cushion rubber, synthetic cushion rubber non marking, wet grip
 Load wheels: tandem polyurethane, tandem polyurethane and greasable
 Lateral battery change 4PzS available with ergonomic battery un/locking with lever & rollers (l2=1112mm)
 Leather seat & seat heating
 Various Standard, Duplex & Triplex masts (up to 5316mm lift height)

Mast Protection: polycarbonate, steel mesh
 Speed reduction if forks lowered
 Alternative fork carriage length/thickness:
 950mm or 1150 mm / 71 mm or 55 mm (preferred while using gitter box)
Linde Connected Solutions:
 ac: access control (PIN or RFID Dual), an: usage analysis and dt: crash detection

Flashing beacon
 Support Clipboard DIN A4 & panoramic mirror
 Support data terminal incl. power supply cable 24V
 Mobile or Fixed battery stand
 Automatic battery watering system
 Cold store protection -35°C

Other options available on request

Li-ION Batteries

fits in 4 PzS SL compartment: 4,5kWh-9kWh (205Ah-410Ah) includes battery housing extra weight

Li-ION charger

optimized 24V-Charger v255: full charging time 1h30min (4,5kWh) and 2h40min (9,0kWh)

Li-ION

Rapid Full Charge
 Opportunity Charging
 Rapid Intermediate Charging
 Maintenance Free
 Extended Lifetime
 Efficient performance in Cold Stores
 Side Plug available



Seated Pallet Stacker Capacity 1,400 & 1,600 kg L14 R, L16 R

Series 1174

Linde Material Handling



Features

Ergonomics

- Ergonomic operator compartment with standard fabric seat or leather seat available with three independent adjustments systems
- Seat heating available as option
- Metal handle with padded material & adjustable floor plate designed for easy truck access
- Side-stance position 90° allows excellent visibility in both directions

Handling

- Chassis width = 820mm
- High maneuverability when operating in lorries or confined spaces
- Stable 4 point configuration
- TipControl®: traction, lift controls, initial lift and horn grouped in one single ergonomic unit
- Enables one-handed operations
- Height adjustable hand platform



Workstation

- Multifunctional instrument display with user-friendly menu structure
- Truck access control by PIN code or ignition key
- Support clipboard DIN A4, flashing beacon & panoramic mirror available as option
- Emergency isolator located for instant actuation



Linde Load Management

- Standard or Advanced, the load management system assists control of residual capacity and stability
- Standard: Weight estimation of the load carried up to 1500mm
- Advanced: Immediate calculation of load weight and lifting height
- Information available at a glance on a wide multifunctional display



Comprehensive energy solutions

- 24V batteries : capacities from 345 Ah (3PzS) to 500 Ah (4PzS)
- Standard Lateral change including rollers inside the battery compartment to aid battery change
- Lever initiates battery change preventing direct contact
- Li-ION batteries with 4,5KWh(205Ah) and 9,0kWh(410Ah)
- Rapid full charge in 1h30min with optimized charger

Lifting systems

- Lift control provides accurate lifting as well as smooth, quiet operation
- Soft landing on forks protects the load when lowering
- Initial lift independent of main lift (option)
- Max. lift height up to 5316mm
- Max. load capacity in Stacker use: 1,400kg/1,600kg on load arms

Drive control and settings

- Steering effort adjusts automatically to speed and turning radius
- Speed is automatically reduced in relation to the steering angle
- ECO-Mode up to 12% energy savings to finish shift with low battery status



AC motor

- Powerful, 3 kW drive motor
- Moisture and dust proof AC drive motor is maintenance-free
- Gradient performance of max. 15% (laden)
- No roll back on gradient starts
- High torque motor negotiates loading docks with ease

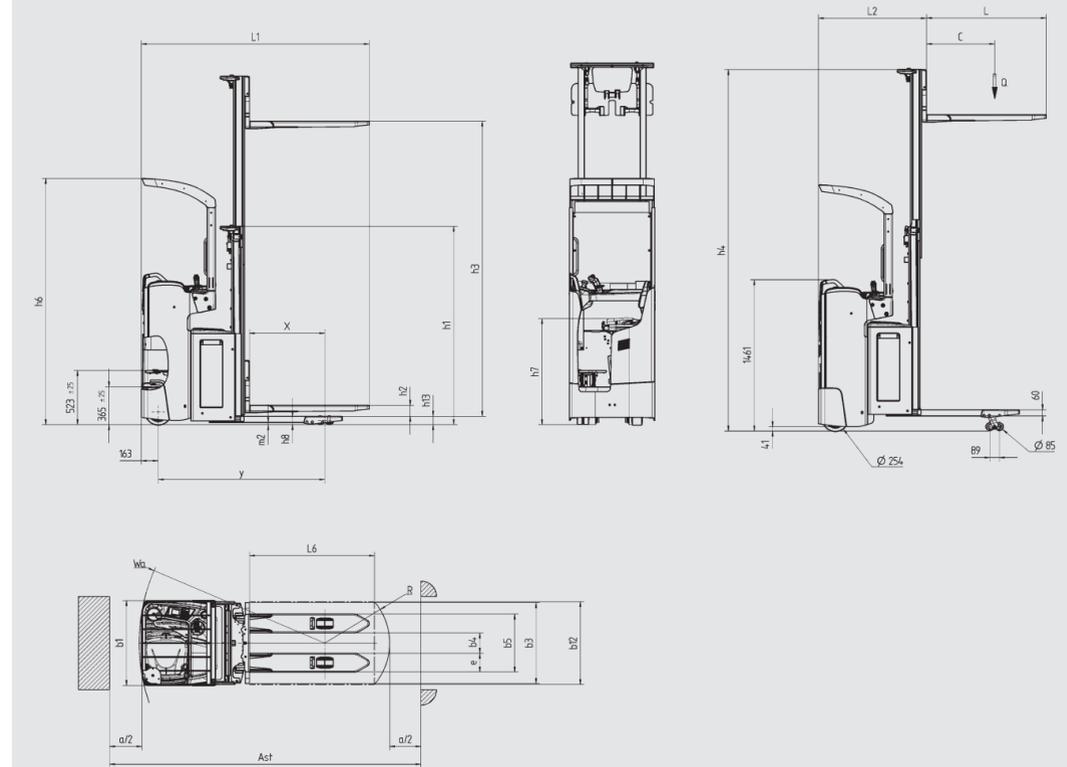
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Technical Data according to VDI 2198

		Characteristics		
		L14R	L16R	L14Ri
1.1	Manufacturer	LINDE	LINDE	LINDE
1.2	Manufacturer's type designation	L14R	L16R	L14Ri
1.2a	Series	1174-00	1174-00	1174-00
1.3	Power unit	Battery	Battery	Battery
1.4	Operation	Seat	Seat	Seat
1.5	Load capacity/Load	Q (t)	1.4	1.4 / (2.0) ¹⁾
1.6	Load centre distance	c (mm)	600	600
1.8	Axle centre to fork face	x (mm)	724 ²⁾	724 ²⁾
1.9	Wheelbase	y (mm)	1597 ²⁾	1597 ²⁾
2.1	Service weight	(kg)	1580 ³⁾	1580 ³⁾
2.2	Axle load with load, front/rear	(kg)	1159 / 1821 ³⁾	1174 / 2006 ³⁾
2.3	Axle load without load, front/rear	(kg)	1050 / 530 ³⁾	1050 / 530 ³⁾
3.1	Tyres rubber, SE, pneumatic, polyurethane		V+P/P ⁵⁾	V+P/P ⁵⁾
3.2	Tyre size, front		Ø 254 x 102	Ø 254 x 102
3.3	Tyre size, rear		Ø 85 x 85 (Ø 85 x 60) ⁶⁾	Ø 85 x 85 (Ø 85 x 60) ⁶⁾
3.4	Auxiliary wheels (dimensions)		2x Ø 140 x 50	2x Ø 140 x 50
3.5	Wheels, number front/rear (x = driven)		1x + 1 / 2 (1x + 1 / 4) ⁶⁾	1x + 1 / 2 (1x + 1 / 4) ⁶⁾
3.6	Track width, front	b10 (mm)	541 ⁷⁾	541 ⁷⁾
3.7	Track width, rear	b11 (mm)	380 ⁷⁾	380 ⁷⁾
4.2	Height of mast, lowered	h1 (mm)	1915 ⁷⁾	1915 ⁷⁾
4.3	Free lift	h2 (mm)	150	150
4.4	Lift	h3 (mm)	2844 ⁷⁾	2844 ⁷⁾
4.5	Height of mast, extended	h4 (mm)	3364 ⁷⁾	3364 ⁷⁾
4.6	Initial lift	h5 (mm)	-	125 ⁷⁾
4.7	Height of overhead guard (cabin)	h6 (mm)	2260	2260
4.8	Height of seat/stand on platform	h7 (mm)	1024	1024
4.10	Height of reach legs	h8 (mm)	80 ⁷⁾	80 ⁷⁾
4.15	Height, lowered	h13 (mm)	86 ⁷⁾	86 ⁷⁾
4.19	Overall length	l1 (mm)	2187 ⁷⁾	2187 ⁷⁾
4.20	Length to fork face	l2 (mm)	1037 ⁷⁾	1037 ⁷⁾
4.21	Overall width	b1/b2 (mm)	820 ⁷⁾	820 ⁷⁾
4.22	Fork dimensions DIN ISO 2331	s/e/l (mm)	71 x 180 x 1150 ⁸⁾	71 x 180 x 1150 ⁸⁾
4.24	Width of fork carriage	b3 (mm)	780 ⁷⁾	780 ⁷⁾
4.25	Fork spread	b5 (mm)	560 ⁷⁾	560 ⁷⁾
4.32	Ground clearance, centre of wheelbase	m2 (mm)	30 ⁹⁾	20 ⁹⁾
4.33	Load dimension b12 x l6	b12 x l6 (mm)	800 x 1200	800 x 1200
4.34	Aisle width predetermined load dimensions	Ast (mm)	2605 ¹⁰⁾	2605 ¹⁰⁾
4.35	Turning radius	Wa (mm)	1783	1783
5.1	Travel speed, with/without load	(km/h)	10 / 10 ¹¹⁾	10 / 10 ¹¹⁾
5.2	Lifting speed, with/without load	(m/s)	0.144 / 0.447 ⁹⁾	0.144 / 0.447 (0.045 / 0.088) ¹²⁾
5.3	Lowering speed, with/without load	(m/s)	0.343 / 0.342 ⁹⁾	0.343 / 0.342 (0.076 / 0.072) ¹²⁾
5.8	Maximum climbing ability, with/without load	(%)	11.0 / 20.0	11.0 (9.0) / 20.0 ¹⁾
5.9	Acceleration time, with/without load	(s)	6.1 / 5.0	6.1 / 5.0
5.10	Service brake		Electro-magnetic	Electro-magnetic
6.1	Drive motor rating S2 60 min	(kW)	3	3
6.2	Lift motor rating at S3 15%	(kW)	3.2	3.2
6.3	Battery according to DIN 43531/35/36 A,B,C,no		43 535 / A / 3PzS	43 535 / A / 3PzS
6.4	Battery voltage/rated capacity (5h)	(V)/(Ah)	24 / 345/375	24 / 345/375
6.5	Battery weight (± 5%)	(kg)	287 ⁹⁾	287 ⁹⁾
6.6	Power consumption according to VDI cycle	(kWh/h)	1.65	1.65
6.7	Turnover output	(t/h)	64.0	64.0
6.8	Energy consumption at turnover output	(kWh/h)	2.26	2.26
8.1	Type of drive unit		LAC	LAC
10.7	Sound pressure level LpAZ (at the driver's seat)	(dB(A))	65	65

1) (Load distribution e.g. 1000 kg on the forks, 1000 kg on the fork arms. Total load max. 2000 kg.)
 2) (+ 5 mm)
 3) Figures with battery, see line 6.4/6.5.
 4) (± 10%)
 5) Solid rubber + polyurethane / polyurethane
 6) Figures in parenthesis with tandem load wheels.
 7) (-0/+5 mm)
 8) Reach legs 75x150x1115
 9) (+ 2 mm)
 10) Including a 200 mm (min.) operating aisle clearance.
 11) (± 5%)
 12) Figures in parenthesis with initial lift



Mast 1.4 and 1.6 t (in mm)		1844 S	2344 S	2844 S	3244 S	3744 S	4144 S	4644 S	1844 D	2344 D
Lift	h3	1844	2344	2844	3244	3744	4144	4644	1844	2344
Lift + fork height	h3+h13	1930	2430	2930	3330	3830	4230	4730	1930	2430
Height, mast lowered	h1	1415	1665	1915	2115	2365	2565	2815	1415	1665
Closed height (with free lift at 150 mm)	h1#	1490	1740	1990	2190	2440	2640	2890	-	-
Height, mast extended	h4	2364	2864	3364	3764	4264	4664	5164	2364	2864
Free lift	h2	150	150	150	150	150	150	150	895	1145

Mast 1.4 and 1.6 t (in mm)		2844 D	3244 D	3744 D	4144 D	4266 T	4716 T	5316 T	
Lift	h3	2844	3244	3744	4144	4266	4716	5316	-
Lift + fork height	h3+h13	2930	3330	3830	4230	4352	4802	5402	-
Height, mast lowered	h1	1915	2115	2365	2565	1915	2065	2265	-
Closed height (with free lift at 150 mm)	h1#	1915	2115	2365	2565	1915	2065	2265	-
Height, mast extended	h4	3364	3764	4264	4664	4786	5236	5836	-
Free lift	h2	1395	1595	1845	2045	1395	1545	1745	-